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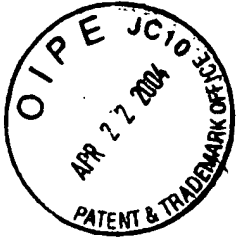
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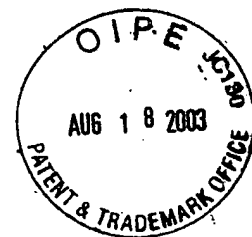
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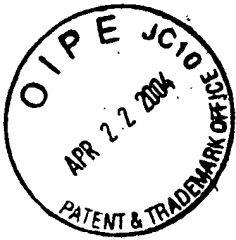
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*The stamp of the PTO hereon acknowledges receipt of the following documents in re application No. 09/745,302, filed December 20, 2002 of Rando et al. for **SCANNER WITH COUPON VALIDATION**: Supplemental Information Disclosure, PTO-1449 (with references), and return receipt postcard.*

*Date: August 15, 2003
51306/502:1
JAR:sl*



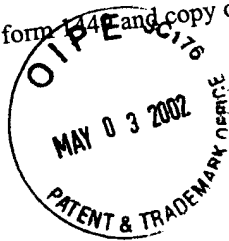


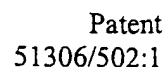
Please acknowledge receipt of the following by affixing hereon the Patent and Trademark Office date stamp and returning this card to our office.

Applicant: Rando et al.
Serial No.: 09/745,302
For: SCANNER WITH COUPON VALIDATION
Filed: December 20, 2000

INFORMATION DISCLOSURE STATEMENT

Attorney(s): John A. Rafter, Jr.
Docket No.: 258/060
Date of Deposit: April 24, 2002
Enclosure(s): Information Disclosure Statement, PTO form 1449 and copy of cited reference; return postcard





In re the Application of:

Group Art Unit: 2876

Rando et al.

Examiner: Karl D. Frech

Serial No.: 09/745,302

Filed: December 20, 2000

**For: SCANNER WITH COUPON
VALIDATION**

COPY

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

Wike et al. U.S. Patent No. 4,971,410; "Scanning and Collection System for a Compact Laser."

Optical Design and Development of a Small Barcode Scanning Module, Charles K. Wike and Joseph M. Lindacher, SPIE Vol. 1398 CAN-AM Eastern 1990 pps. 119-126 (©1991 by the Society of Photo-Optical Engineers).

NCR Model 7860 Hand-Held Scanner (three photographs), manufacture label dated September 1990.

CERTIFICATE OF MAILING
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

Aug. 15, 2003
Date of Deposit
Portland2-4439939.1 0051306-00502

Sandi Lekar
Name of Person Mailing Paper

Signature of Person Mailing Paper

Further explanation of items cited:

As understood, the NCR 7860 scanner, described in the Wike article *Optical Design and Development of a Small Barcode Scanning Module*, and illustrated in the three photographs, had the capability of switching between two different scan patterns by pressing a button on the scanner housing. Thus, the scanner had two modes: (1) a hands-free mode generating multi-intersecting lines scan pattern (see Figure 2); or (2) a hand-held mode actuated by pressing a button on the housing, the scanner then generating a scan pattern consisting of a single scan line.

The cited 4,971,410 patent (owned by NCR Corporation) describes various details and alternatives for structure and operation for a bar code scanner having the capability of switching between two different scan patterns.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

INFORMATION DISCLOSURE STATEMENT FILING PROVISION:

☐ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☒ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

☒ The fee due under 37 CFR § 1.17(p) is submitted herewith.

☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

STATEMENT UNDER 37 CFR § 1.97(e):

☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

☐ Applicant sets forth below concise explanation of the relevance of each document not in the English language and/or selected documents(s) in the English language.

PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:

☐ A check in the amount of _____ is enclosed for the above fee(s).

☒ Please charge PSC's Deposit Account No. 13-4953 for the above fee(s).

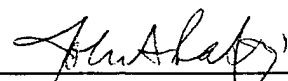
☒ The Commissioner is authorized to charge PSC's Deposit Account No. 13-4953 for any fees which may be required by the filing of this paper.¹

¹ The Commissioner is authorized to charge Stoel Rives LLP's Deposit Account No. 19-4455 if the above-referenced Account No. 13-4953 has insufficient funds.

Respectfully submitted,

Stoel Rives LLP

Dated: August 15, 2003

By: 
John A. Rafter, Jr.
Reg. No. 31,653

Customer No 33451
STOEL RIVES LLP
900 SW Fifth Avenue, Suite 2600
Portland, OR 97204-1268
Telephone: (503) 224-3380
Facsimile: (503) 220-2480
Attorney Docket No. 51306/502:1

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

APPLICANT:

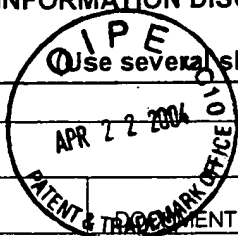
Rando et al.

FILING DATE:

December 20, 2000

GROUP:

2876



U.S. PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AA	4,971,410	11/1990	Wike, Jr. et al.	350	6.5	7/27/1989
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						

FOREIGN PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATIO YES NO
	AI						
	AJ						
	AK						
	AL						
	AM						

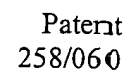
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	Charles K. Wike and Joseph M. Lindacher, <i>Optical Design and Development of a Small Barcode Scanning Module</i> , SPIE Vol. 1398 CAN-AM Eastern 1990 pps. 119-126 (©1991 by the Society of Photo-Optical Engineers)
	AO	NCR Model 7860 Hand-Held Scanner (three photographs), manufacture label dated September 1990.
	AP	
	AQ	
	AR	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2876

Examiner: not yet assigned

Serial No.: 09/745,302

Filed: December 20, 2000

**For: SCANNER WITH COUPON
VALIDATION**

COPY

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this IDS may or may not be “material” pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as “prior art” under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

INFORMATION DISCLOSURE STATEMENT FILING PROVISION:

☒ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

LA-234471.1

CERTIFICATE OF MAILING
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

April 29, 2002
Date of Deposit

Ellen Pritsker
Name of Person Mailing Paper

Signature of Person Mailing Paper-

- ☒ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.
- ☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.
- ☐ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.
- ☐ The fee due under 37 CFR § 1.17(p) is submitted herewith.
- ☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.
- ☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

STATEMENT UNDER 37 CFR § 1.97(e):

- ☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

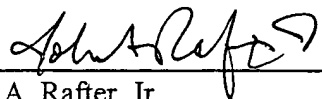
PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:

- ☐ A check in the amount of _____ is enclosed for the above fee(s).
☐ Please charge _____ to Deposit Account No. **12-2475** for the above fee(s).

The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Lyon & Lyon's Deposit Account No. **12-2475**.

Respectfully submitted,
LYON & LYON LLP

Dated: April 24, 2002

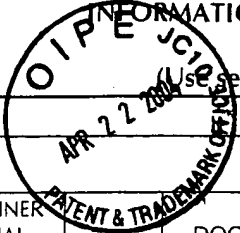
By: 
John A. Rafter, Jr.
Reg. No. 31,653



22249

LYON & LYON LLP
633 W. Fifth Street,
Suite 4700
Los Angeles, CA
90071

FORM PTO-1449		ATTY. DOC T NO. 258/060	SERIAL NO. 09/745,302
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Rando et al.	
		FILING DATE: December 20, 2000	GROUP: 2876



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AA	6,247,647	6/19/2001	Courtney et al.	235	462.36	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						

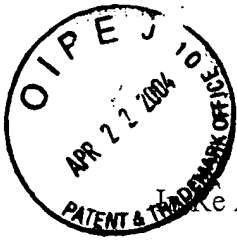
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	AI						
	AJ						
	AK						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AL	
	AM	
	AN	
	AO	
	AP	

EXAMINER: Not yet assigned	DATE CONSIDERED:
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor Application of:

Joseph F. RANDO, et al.

Serial No.: not yet assigned

Filed: Herewith

For: SCANNER WITH COUPON
VALIDATION

)
) Group Art Unit:

)
) Examiner:

COPY

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the Applicants' duty of disclosure under 37 C.F.R. §§ 1.97-98 and following the guidelines of M.P.E.P. § 2001.06(b), the following items are brought to the attention of the Examiner. The items are listed on the attached Form PTO-1449 and copies are enclosed for the convenience of the Examiner.

It is submitted that since no action on the merits has issued that no fee should be required under 37 CFR § 1.17(p) for consideration of this Information Disclosure Statement. Should Applicants be in error, however, please charge any fee required to counsel's Deposit Account No. 12-2475 for this fee or any other fee due to the filing of this paper.

The items identified in this Information Disclosure Statement may or may not be "material" pursuant to 37 C.F.R. § 1.56 and the submission thereof by Applicant shall not be construed as an admission that any such item referred to therein is material or considered to be

material (37 C.F.R. § 1.97h), or even qualifies as "prior art" under 35 U.S.C. § 102 with respect to this invention unless specifically designated by Applicants as such.

The filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information, as defined in 37 C.F.R. § 1.56, exists.

A. U.S. Patents

RE 35,177	Rando et al. (grandparent to present application)
3,734,286	Simjian
3,949,194	Catto et al.
3,958,104	Zuckerman
4,554,446	Murphy et al.
4,560,862	Eastman et al.
4,587,407	Ahmed et al.
4,652,732	Nickl
4,791,281	Johnsen et al.
4,799,164	Hellekson et al.
4,839,507	May
4,848,862	Yamazaki et al.
4,867,257	Kuchler
4,933,538	Heiman et al.
4,939,355	Rando et al.
4,949,256	Humble
5,008,519	Cunningham et al.
5,019,694	Collins, Jr.
5,019,714	Knowles
5,042,619	Kohno
5,073,702	Schumacher

5,081,364	Wike, Jr.
5,128,520	Rando et al.
5,151,581	Krichever et al.
5,206,491	Katoh et al.
5,208,445	Nahar et al.
5,229,588	Detwiler et al.
5,250,789	Johnsen
5,250,791	Heiman et al.
5,256,864	Rando et al.
5,293,033	Yamashita
5,478,997	Bridgelall et al.
5,504,316	Bridgelall et al.
5,608,202	Bridgelall et al.
5,637,856	Bridgelall et al.
5,693,930	Katoh et al.

B. Foreign Patents

899019	Belgium	
0 325 469 B1	EPO	(Corresponds to Rando et al. U.S. 4,939,355)
0 276 589	EPO	
2367320	France	
2.145.155	France	
23 29 041	Germany	
1445100	Great Britain	
2829331	Japan	(Corresponds to Rando et al. U.S. 4,939,355)
3-167683	Japan	(Includes English abstract)
3-129583	Japan	(Includes English abstract)
63-192175	Japan	(Includes English abstract)

63-109590	Japan	(Includes English abstract)
63-146198	Japan	
63-178376	Japan	
2-83681	Japan	(Including translation)
2-833686	Japan	(Includes English abstract)
2-231688	Japan	(Includes English abstract)
3-103995	Japan	
5-6484	Japan	(Includes English abstract)
1-144953	Japan	
1-142072	Japan	
JP-A-59 154573	Japan	(Abstract Only)
WO 90/01715	PCT	

C. Other Documents

Laser Scan 5000 Brochure - Symbol Technologies 1991 (no month)

Orion #1 Brochure; ICL Datachecker 1989 (no month) Figures A-1, A-2, A-3

Freedom Brochure; Spectra-Physics (May 1989_

H. Ikeda et al., "Bar-Code Reading Technology", Bulletin of the precision Engineering Society, Vol. 54, No. 12, pp. 28-32 (1988)

T. Inagaki et al., "Applying Bolograms to Pattern Input/Output Technology", Fujitsu, Vol. 38, No. 2, pp. 137-142 (1987)

N. Nishida, "Optical System of the POS Scanner", Machine Design, Vol. 29, No. 8, pp. 69-73 (1985)
(with translation of Fig. 9)

In re Kaslow, 217 USPQ 1089 (1983)

D. Notice of Claims in Other Patent [MPEP 2001.06(6)]

The following table is provided to comply with Applicants' duty of disclosure following the guidelines of MPEP 2001.06(d) and 37 CFR 1.607(c) with respect to claims in an

issued patent, the following chart identifies certain claims in the present application copied from claims in Katoh U.S. 5,693,930 cited in this Information Disclosure Statement.

Claims In the Present Application	Claims in U.S. Patent No. 5,693,930
20	1
21	23
22	34
23	37

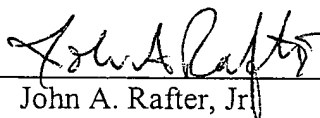
As to claims 20-23, the requirements of 35 U.S.C. 135(b) are met because claims 20-23 were previously presented in parent application 08/570,625 as claims 115-118 in an amendment filed October 26, 1998.

Respectfully submitted,

LYON & LYON LLP

Dated: December 20, 2000

By



John A. Rafter, Jr.
Reg. No. 31,653

633 West Fifth Street, 47th Floor
Los Angeles, California 90071
(213) 489-1600

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

APPLICANT:

Rando et al.

FILING DATE:

Herewith

GROUP:

Not yet assigned

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	RE 35,177	12/1995	Rando et al.	235	375	5/19/1994
	3,734,286	5/1973	Simjian	209	121	12/27/1991
	3,949,194	4/1976	Catto et al.	235	61.11E	3/20/1974
	3,958,104	5/1976	Zuckerman	235	61.11E	8/18/1975
	4,554,446	11/1985	Murphy et al.	235	487	11/18/1993
	4,560,862	12/1985	Eastman et al.	235	467	4/26/1983
	4,587,407	5/1986	Ahmed et al.	235	467	6/20/1983
	4,652,732	3/1987	Nickl	235	462	9/17/1985
	4,791,281	12/1988	Johnsen et al.	235	462x	10/16/1986
	4,799,164	1/1989	Hellekson et al.	235	467	9/12/1986
	4,839,507	6/1989	May	235	381	3/17/1988
	4,848,862	7/1989	Yamazaki et al.	350	3.71	10/8/1987
	4,867,257	9/1989	Kuchler	177	25.15	12/15/1988
	4,933,538	6/1990	Heiman et al.	235	462	10/21/1988
	4,939,355	7/1990	Rando et al.	235	467	1/22/1988
	4,949,256	8/1990	Humble	364	401	5/6/1988
	5,008,519	4/1991	Cunningham et al.	235	383	11/16/1988
	5,019,694	5/1991	Collins, Jr.	235	383	9/29/1989
	5,019,714	5/1991	Knowles	250	568	2/6/1989
	5,042,619	8/1991	Kohno	186	61	9/15/1989
	5,073,702	12/1991	Schumacher	236	467	3/26/1990
	5,081,364	1/1992	Wike, Jr.	250	555	11/26/1990
	5,128,520	7/1992	Rando et al.	235	375	8/11/1989

EXAMINER:

Not yet assigned

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

ATTY. DOC. NO.
258/060SERIAL NO.
Not yet assignedLIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

APPLICANT:

Rando et al.

FILING DATE:

Herewith

GROUP:

Not yet assigned

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	5,151,581	9/1992	Krichever et al.	235	467	5/3/1991
	5,206,491	4/1993	Katoh et al.	235	467	2/28/1991
	5,208,445	5/1993	Nahar et al.	235	375	1/26/1991
	5,229,588	7/1993	Detwiler et al.	235	467	9/30/1991
	5,250,789	10/1993	Johnsen	235	383	10/31/1991
	5,250,791	10/1993	Heiman et al.	235	472	4/9/1990
	5,256,864	10/1993	Rando et al.	235	462	9/24/1991
	5,293,033	3/1994	Yamashita	235	462	9/15/1989
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	899019	6/1984	Belgium	G06K	G07G	X
	0 325 469 B1	7/1989	EPO (Rando)	G06K	G02B	X
	0 276 589	8/1988	EPO (Krichever)	G06K		X
	2367320	5/1978	France	G06K		X
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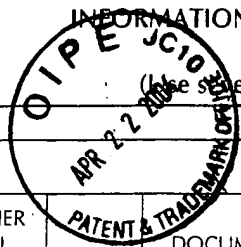
EXAMINER:

Not yet assigned

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 258/060	SERIAL NO. Not yet assigned
	APPLICANT: Rando et al.	
	FILING DATE: Herewith	GROUP: Not yet assigned



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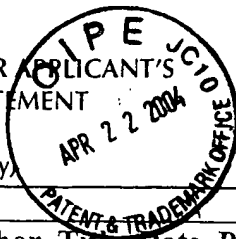
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	TRANSLATION NO
	2829331	9/1989	Japan	G06K			X
	3-167683	7/1991	Japan	G06K		X*	
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	2-83681	3/1990	Japan	G-06K		X	
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	5-6484	1/1993	Japan	G-07G		X*	
	1-144953	10/1989	Japan	G-06K			X
	1-142072	9/1989	Japan	G-06K			X
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	WO 90/01715	2/1990	PCT	G02B			

*English abstract provided.

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		Laser Scan 5000 Brochure - Symbol Technologies 1991 (no month)
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		H. Ikeda et al., "Bar-Code Reading Technology", <u>Bulletin of the precision Engineering Society</u> , Vol. 54, No. 12, pp. 28-32 (1988)

EXAMINER: Not yet assigned	DATE CONSIDERED:
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		T. Inagaki et al., "Applying Bolograms to Pattern Input/Output Technology", <u>Fujitsu</u> , Vol. 38, No. 2, pp. 137-142 (1987)
		N. Nishida, "Optical System of the POS Scanner", <u>Machine Design</u> , Vol. 29, No. 8, pp. 69-73 (1985) (with translation of Fig. 9)
		In re Kaslow, 217 USPQ 1089 (1983)

EXAMINER: Not yet assigned	DATE CONSIDERED:
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